

LAW OFFICES
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC

2100 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20037-3202
TELEPHONE (202) 293-7060
FACSIMILE (202) 293-7860

JC551 U.S. PTO
09/199816
11/25/98

CALIFORNIA OFFICE

EL CAMINO REAL
PARK, CA 94025
PHONE (650) 325-5800
FACSIMILE (650) 325-6606

JAPAN OFFICE

TOEI NISHI SHIMBASHI BLDG. 4F
13-5 NISHI SHIMBASHI 1-CHOME
MINATO-KU, TOKYO 105, JAPAN
TELEPHONE (03) 3503-3760
FACSIMILE (03) 3503-3756

November 25, 1998

BOX: PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Re: Application of Masato SHIMADA and Shinri SAKAI
INK JET RECORDING HEAD AND INK JET RECORDER
Our Reference: Q52241

Dear Sir:

Attached hereto is the application identified above including the specification, claims, twenty-six (26) sheets of drawings, Information Disclosure Statement and PTO Form 1449 with reference. The requisite U.S. Government Filing Fee, executed Declaration and Power of Attorney and Assignment will be submitted at a later date.

The Government filing fee is calculated as follows:

Total Claims	164 - 20 =	144 x \$18 =	\$ 2592.00
Independent Claims	4 - 3 =	1 x \$78 =	\$ 78.00
Base Filing Fee	(\$760.00)		\$ 760.00
Multiple Dep. Claim Fee	(\$260.00)		\$ 260.00
TOTAL FILING FEE			\$ 3690.00

Priority is claimed from:

Japanese Patent Application

Hei. 9-323010
Hei. 10-96406
Hei. 10-140684
Hei. 10-159354
Hei. 10-207004
Hei. 10-312368

Filing Date

November 25, 1997
April 8, 1998
May 22, 1998
June 8, 1998
July 22, 1998
November 2, 1998

The priority documents will be submitted at a later date.

Respectfully submitted,
SUGHRUE, MION, ZINN, MACPEAK & SEAS
Attorneys for Applicant(s)

By: Darryl Mexic

Darryl Mexic
Reg. No. 23,063

DM:rtw